

SHAYKHEV, G.Kh.; RAPP, Yu.V.; MEDNIK, M.R.

Purification of influenza antisera. Zhur.mikrobiol.epid. i
immun. 30 no.5:37-42 My '59. (MIRA 12:9)

1. Iz Kiyevskogo instituta epidemiologii i mikrobiologii.
(INFLUENZA, immunol.
antiserum, purification (Rus))

RAPP
SHEKHTER, A.B.; RAPP, Yu.V.; FILOSOFOVA, T.G.

Production of purified streptococcal anatoxin and experimental study.
Zhur.mikrobiol.epid. i immun., supplement for 1956:24 '57 (MIRA 11:3)

1. Iz Kiyevskogo instituta epidemiologii i mikrobiologii.
(TOXINS AND ANTITOXINS) (SCARLET FEVER)

RAPP, Yu.V.

Investigations on the isolation of cytotoxin from rabbit immune sera. Medych.zhur.24 no.4:59-62 '54. (MLRA 8:10)

1. Institut fiziologii im. O.O. Bogomol'tsya Akademii nauk URSR.
(IMMUNE SERUM,
isolation of cytotoxin from rabbit serums)

HUNGARY/Cultivated Plants - Grains.

M-4

Abs Jour : Ref Zhur - Biol., No 9, 1953, 39184

Author : Rapp, Z.

Inst : Scientific Research Institute of Variety Testing.

Title : The Formation of the Yielding Capacity of Varieties of Winter Wheat in 1954-1955.

Orig Pub : Novenytermeles, 1956, 5, No 1, 11-26.

Abstract : The results of testing in the Scientific Research Institute of Variety Testing (Budapest) are given in this paper. Data concerning temperature, precipitation distribution, yielding capacity, absolute weight of the grain and the formation of the harvest (vegetation period, density of sowings, the yield of grain in the ear, resistance to shedding and to rust) are given.

Card 1/2

RAPPAFORT, G.

Color Moving Pictures - Estonia

Light in Koordi. Kinomekhanik, no. 10, 1951.

Monthly List of Russian Accessions. Library of Congress, May 1952, UNCLASSIFIED.

RAPPAPORT, I., inzh. (Bukharest); KRUCHANU, S., inzh. (Crucianu, S.)
(Bukharest)

Sprinkler units in Rumania. Vod. i san. tekhn. no.5:37-38 My
'63. (MIRA 16:6)
(Rumania--Fire sprinklers)

RAPPAPORT, I., ing.; CRUCEANU, S., ing.

Measuring drencher and sprinkler installations. Rev constr
si mat constr 16 no. 1: 40-47 Ja '64.

RAPPAPORT, P.

112-4-7598

Translation from: Referativnyy Zhurnal, Elektrotehnika, 1957, Nr 4,
p. 7 (USSR)

AUTHORS: Linder, Ye.G., Rappaport, P., Loferskiy, Dzh. Dzh.

TITLE: Converting Energy from Radioactive Radiation into
Electrical Energy (Prevrashcheniye energii radioaktivnogo
izlucheniya v elektricheskuyu energiyu)

PERIODICAL: In Sbornik: Primeneniye radioaktivnykh izotopov v prom-sti,
meditsine i s.kh., Moscow, AN SSSR, 1956, pp. 121-141

ABSTRACT: Bibliographic entry.

Card 1/1

RAPPAY, Gy.,; BARKA, T.

Plasmatic budding in ascitic tumour cells of mice upon the action of Janus green B. Acta morph. hung. 5 no.3-4:379-383 1955.

1. Institute of Experimental Medicine of the Hungarian Academy of Sciences, Department of Morphology, Budapest. (Head: Prof. I. Toro) Gyorgy Rappay, Budapest, IX. Tuzolto u. 58. Hungary Tibor Barka, Budapest., IX., Tuzolto u 58. Hungary.

(DYES, effects,

Janus green B, on Ehrlich tumor, plasmatic budding)

(HMOPLASMS, experimental,

Ehrlich tumor, eff. of Janus green B, plasmatic budding)

BARKA, Tibor,; TORO, Imre,; POSALAKY, Zoltan,; RAPPAY, Gyorgy.

An attempt to grow Ehrlich's ascites tumour in vitro. Acta morph.
hung. 6 no.1:87-98 1955

1. Institute of experimental medicine of the Hungarian Academy of
Sciences, Dept. of Morphology (Head: Prof. I. Toro) IX. Tuzolto u
58. Hungary.

(NEOPLASMS, experimental,

Ehrlich ascites carcinoma, culture in vitro)

CSABA, Gyorgy, dr.; RAPPAY, Gyorgy, dr.

The central nervous system and the reticuloendothelial system;
II. Effects of acute and prolonged narcosis on the storage
activity of the liver. Ideg. szemle 8 no.1;20-23 Feb 55.

1. Budapesti Orvostudományi Egyetem Ssovet- es Fejlodestani
Intezete. (igazgato: Dr. Toro Iure).

(LIVER, physicl.

liver RE system, regulation by CNS, eff. of cortical
& subcortical anesthetics on funct. in rats (Hun))

(RETICULOENDOTHELIAL SYSTEM, physicl.

same

(CENTRAL NERVOUS SYSTEM, physicl.

regulation of liver RE system, eff. of cortical &
subcortical anesthetics on RE system funct. in
rats (Hun))

(ANESTHETICS, eff.

cortical & subcortical anesthetics, on liver RE
system funct. in rats (Hun))

CSANA, Gyorgy; RAPPAY, Gyorgy; NIEDERMANN, Eva

The central nervous system and the reticuloendothelial system;
III. Data on the neurohormonal regulation of the liver
reticuloendothelial system. Ideg. szemle 8 no.2:46-48 Apr 55.

1. Budapesti Orvostudományi Egyetem Szövet- és Fejlődéstan
Intézete. Igazgató: dr. Tóro László egyet. tanár.

(LIVER, physiol.

liver RE system, regulation by CNS, eff. of insulin
& adrenal cortex hormones on funct. in rats (Hun))

(RETICULOENDOTHELIAL SYSTEM, physiol.

same

(CENTRAL NERVOUS SYSTEM, physiol.

regulation of liver RE system, eff. of insulin &
adrenal cortex hormones on RE system funct. in rats (Hun))

(INSULIN, eff.

on liver RE system funct. in rats (Hun))

(ADRENAL CORTEX, hormones

eff. on liver RE system funct. in rats (Hun))

CZABA, Gyorgy; RAPPAY, Gyorgy

Effect of the central nervous system on the reticulo-endothelial system of the liver. Zhur.ob.biol. 16 no.3:178-190 My-Je '55.

(MLRA 8:9)

1. Institut gistologii i embriologii Budapeshtskogo meditsinskogo universiteta.

(LIVER, physiology,

regulation of RE system of liver)

(RETICULO-ENDOTHELIAL SYSTEM, physiology,

regulation by CNS of hepatic RE system)

(NERVOUS SYSTEM, physiology,

regulation of liver RE system)

HUNGARY/General Problems of Pathology - Tumors. Immunity.

U.

Abs Jour : Ref Zhur - Biol., No 2, 1959, 8795

Author : Rappay Gy., Barka, T., Tóth, I.

Inst : Hungarian Academy of Sciences

Title : The Mitosis-Intensifying Effect of Tumor-Cell Homogenate

Orig Pub : Acta morphol. Acad sci. hung., 1957, 7, No 4, 355-359

Abstract : Mice were injected with 0.3 cubic centimeters of ascitic fluid with 15-17 million Ehrlich ascites carcinoma cells. Cell homogenates of this carcinoma, of an anytal-treated [letter omitted in the Russian work; possibly something else intended] ascites sarcoma and of the liver of adult mice and rats were centrifuged for 15 minutes at 3500 revolutions per minute, and 0.5 cc of the supernatant fluid was injected into mice 9 days after the tumor transplantation. The mitotic index was determined using

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"APPROVED FOR RELEASE: Tuesday, August 01, 2000

CIA-RDP86-00513R001344

Abs Jour : Ref Zhur - Biol., No 2, 1959, 8795

2000 ascitic cells before and four, eight and 24 hours after the injection of the supernatant fluid. A statistically reliable increase in the mitotic index (199.5 and 238.5% of the original value) was obtained only eight and 24 hours after the injection of the homogenate of the same Ehrlich ascites carcinoma with a simultaneous shortening of the survival of the mice from 15.2-1.3 days in the control to 12.1-1.7 days in the experimental animals. The supernatant fluid of the other homogenates did not exert any noticeable effect on the mitotic index of the Ehrlich ascites carcinoma. -- A.M. Lunts

Card 2/2

RAPPAY, Gyorgy

Use of tetrazolium reaction in selective isolation of mast cells.
Kiserletes Orvostud. 12 no.2:221-223 Ap '60.

1. MTA Kiserleti Orvostudományi Kutató Intézet Morfológiai Osztálya.
(MAST CELLS)
(TETRAZOLIUM SALTS pharmacol.)

RAPPAY, Gy.; EALOGH, Gy.

Comparative histochemical study of nucleoproteins in the blood corpuscles of vertebrates. III. Quantitative examination of deoxyribonucleoproteins. Folia biol. 7 no.3:150-156 '61.

1. Institute of Experimental Medicine, Hungarian Academy of Sciences,
Department of Morphology, Budapest.
(DESOXYRIBONUCLEIC ACID blood)
(ERYTHROCYTES chem.)

FAYEZ, Aly; RAPPAY, Gyorgy (Budapest IX, Tuzolto u.58., Hungary.)

Notes on the histochemistry of the aceno-hypophysis and adrenal gland of the female domestic pigeon (*Columba domestica*).
Acta biol Hung 12 no.2:127-132 '61.

1. Institute of Anatomy, Veterinary Department, Cairo University, Egypt, U.A.R. (for Favez). 2. Department of Morphology, Medical Research Institute of the Hungarian Academy of Sciences, Budapest (Head: I. Toro) (for Rappay).

*

FAYEZ, Ali; RAPPAY, Gyorgy (Budapest IX, Tuzolto u.58, Hungary.)

Notes on the histochemistry of the adeno-hypophysis and adrenal gland of the domestic fowl (*Gallus domesticus*).
Acta biol Hung 12 no.2:133-136 '61.

1. Institute of Anatomy, Veterinary Department, Cairo University, Egypt, U.A.R. (for Fayez). 2. Department of Morphology, Medical Research Institute of the Hungarian Academy of Sciences (Head: I. Toro) (for Rappay).

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BALOGH, Gy.; RAPPAY, Gy.

Data on the histochemistry of the mast cells. Acta. morph. acad.
sci. hung. 11 no.3:387-391 '62.

1. Morphologische Abteilung (Abteilungsleiter: Dr. I. Toro) des
Forschungsinstituts der Ungarischen Akademie für Wissenschaften.
(MAST CELLS) (STAINS AND STAINING) (HEPARIN)

HUNGARY

RAPPAY, Gyorgy; Morphological Section of the Experimental Medical Research Institute of the Hungarian Academy of Sciences (Magyar Tudomanyos Akademia Kiserleti Orvostudomanyi Kutato Intezet Morfologiai Osztalya) (section chief; TORO, Imre, professor, Dr).

"Cytophotometric Analysis of Nuclear Metachromasy."

Budapest, Biologiai Kozlemenyek, Vol XI, No 1, 1963, pp 3-10.

Abstract: [Author's English summary modified] Thionine and Azure A metachromasy of nuclei of rat thymus and lymph node cells was studied after Carnoy and formaline fixation. In the fixed preparations, following hydrochloric acid treatment, considerable metachromic effect was observed while, without treatment, no metachromasy occurred. Ortho- and metachromatic absorption curves measured in a cytophotometer were approximately identical with the absorption curves of stain solutions measured in a spectrophotometer. In the ortho- and metachromatically stained thymus nuclei the amounts of bound coloring matter were identical although the absorption curves showed differences in intensity. Of 15 references, 2 are Hungarian and 13 are Western.

RAPPAY, Gy.; TÖRK, I.

Quantitative cytochemical investigation of the ninhydrin-Schiff reaction. Acta morph. acad. sci. hung. 12 no.1:43-49 '63.

1. Institute of Experimental Medicine of the Hungarian Academy of Sciences Department of Morphology (Head: Prof. I. Törő) Budapest.
(ERYTHROCYTES) (LIVER) (AMINO ACIDS)
(BLOOD CHEMICAL ANALYSIS) (BLOOD PROTEINS)
(INDICATORS AND REAGENTS)

TORO, I.; RAPPAY, G.

Quantitative studies of the nucleoprotein content of erythrocytes from healthy and virus-infected chicken. Acta biol. acad. sci. Hung. 15 no.3:265-269 '65

1. Institute of Histology and Embryology, Medical University, Budapest (Head: I. Toro) and Department of Morphology, Experimental Medical Research Institute, Hungarian Academy of Sciences, Budapest (Head: I. Toro).

RAPPAY, Y.

In the Committee of Experts on Conditions of Work of Fishermen of
the International Labor Office. Sets. trud 8 no.7:145-147 J1
'63. (MIRA 16:10)

FOLDVARI-VOGL, Maria, dr. (Budapest, Vorosilov ut 14); RAPP-SIK, Stefania
(Budapest, Vorosilov ut 14)

Geochemical investigations of mineralization by means of the methods
of spectrum analysis. Acta chimica Hung 28 no. 1/3:9-15 '61.
(EEAI 10:9)

1. Ungarische Geologische Anstalt, Budapest.

(Geochemistry) (Spectrum analysis) (Mineralization)

TOLMAT, Vera; RAPPNE SIK, Stefania

Application of ion-exchanging resins in the field of rock analysis.
Magy kem lap 16 no.12:575-578 D '61.

1. Magyar Allami Foldtani Intezet.

RAPPAI, Istvan, dr.

Potentiated steroid anesthesia in gynecological surgery. Magyar orv. lap. 25 no.1:55-60 Ja '62.

1. A Peterfy S. u. korhaz-rendelointezet (Igazgato-foorvos: Galocsi Gyorgy dr.) Szuleszet-Nogyogyaszati osztalyanak (Osztalyvezeto-foorvos Palik Frigyes dr.) kozlemenye.

(HYDROXYDIONE anesth & analgesia)
(GYNECOLOGY anesth & analgesia)
(PROMETHAZINE pharmacol)
(MEPERIDINE anesth & analg)
(CHLORPROMAZINE pharmacol)

DEVENYI, Pal, dr.,; MAGYVARADI, Janos, dr.,; RAPPAL, Istvan, dr.

Delivery after commissurotomy performed during pregnancy. Orv.
hetil. 96 no.37:1033-1035 11 Sept 55.

1. A Budapesti Peterfy Sandor utcai Korhaz-rondelo C-belosztalyanak
(foorvos: Lendvai Jozsef dr. igaz.) es Szuleset-nogyogyaszati
Osztalyanak (foorvos: Palik Frigyes dr.) kozl.

(MITRAL STENOSIS, in pregnancy,
normal delivery after commissurotomy)

(PREGNANCY, in various diseases,
mitral stenosis, normal delivery after commissurotomy)

ZOBNINA, K.S.; PEREL'SHTEYN, S.B.; RAPIE, F.I. (Kazan')

Production of an adaptive dysenteric bacteriophage and its effectiveness in treating acute dysentery. Kaz. med. zhur. no.5:76-77 S-0 '61. (MIRA 15:3)

(DYSENTERY)
(BACTERIOPHAGE)

Country : USSR

Category: Virology. Bacterial Viruses (Phages)

E

Abs Jour: Ref Zhur-Biol., No 23, 1958, 103487.

Author : Rappo, F. I.; Zobnina, K. S.; Kuznetsova, V. K.;
Davydova, K.P.; Duncyeva, N. N.

Title : Development of Methods for Obtaining Highly Active
Dysentery Bacteriophage with Consideration of the
Microbial Environment in a Focus.

Orig Pub: Sb. Bakteriofagiya. Tbilisi, Gruzmedgiz, 1957,
159-161.

Abstract: Polyvalent dysentery polyphage was prepared by means
of adaptation to freshly-isolated cultures (six months
old) belonging to representatives of various serolo-
gical types. The polyphage obtained lysed 94 o/o of
200 cultures tested. Of 80 patients treated with the

Card : 1/2

11F

The effect of Parathyroekrin on the blood sugar. ...
Ya. Rapoport. *Problemy endokrinol.* (U. S. S. R.)
3, No. 1, 3-7 (1938); *Chem. Zentr.* 1939, I, 4350.—In
both normal and pancreatectomized dogs Parathyroekrin
(a Russian prepn. from the accessory thyroid) produced
a light hypoglycemia which lasted 3-4 hrs. It was not
possible to keep pancreatectomized dogs alive by injections
of the prepn. M. G. Slonim

RAPPORT, A.Ya.; LANDO, L.I.

Influence of psilocybine on higher nervous activity and some
somatic functions in dogs. Trudy Gos.nauch.-issl.inst.psikh.
35:345-359 '62. (MIRA 16:2)

1. Otdeleniye patofiziologii vysshey nervnoy deyatel'nosti
(zav. otdeleniyem - prof. Yu.N. Uspenskiy) i otdeleniye bio-
khimii (zav. otdeleniyem - kand.med.nauk L.I. Lando) Gosu-
darstvennogo nauchno-issledovatel'skogo instituta psikiatrii.
(PSILOCYBINE)

[Conditioned response analysis of the effect of psychotropic substances; essays on psychopharmacology] Uslovno-reflektornyĭ analiz deistviia psikhotropnykh veshchestv; etudy po psikhofarmakologii. Moskva, Meditsina, 1964. 143 p. (MIRA 17:6)

RAPPEPORT, A.Ya.

Some data on the influence of large ("psychogenic") doses of plegicil on motor conditioned reflexes, behavior, and autonomic functions in dogs. Zhur. nevr. i psikh. 61 no.6:909-918 '61. (MIRA 15:2)

1. Laboratoriya patofiziologii vysshey nervnoy deyatel'nosti (zav. - Yu.N. Uspenskiy) Nauchno-issledovatel'skogo instituta psikiatrii (dir. - prof. V.M.Banshchikov) Ministerstva zdravookhraneniya RSFSR, Moskva.

(ACEPROMAZINE)

(CONDITIONED RESPONSE)

SMIRNOV, B.I.; P. 111-112, 113.

Effect of ribonucleic acid on the physicochemical and functional properties of the protoplasm in amoeba. Nauch. dokl. vys. shkoly; biol. nauki no. 3:42-46 '66. (MIRA 19:1)

I. Kekelidzevna Mafedey Fiziologii zhivotnykh Moskovekogo gosudarstvennogo universiteta. Submitted February 22, 1965.

SMIRNOVA, N.A.; RAPPEPORT, S.M.

Role of ribonucleic acid in colloidal transformations of protein
in amoeban protoplasm. Dokl.AN SSSR 145 no.3:688-690 JI '68.
(MIRA 15:7)

1. Moskovskiy gosudarstvennyy universitet imeni Lomonosova.
Predstavleno akademikom N.M.Sisakyanom.
(Nucleic acids) (Amoeba) (Protoplasm)

PRESMAN, A.S.; RAPPEPORT, S.M.

New data on the existence of a system of excitation in
Paramecium caudatum Ehrbg. Report no.2. Reactions of P.
caudatum to a.c. pulses. Nauch. dokl. vys. shkoly; biol.
nauki no.3:44-48 '64 (MIRA 17:8)

1. Rekomendovana Tsentral'nym nauchno-issledovatel'skim in-
stitutom kurortologii i fizioterapii.

L 45614-65

ACCESSION NO: AP5011562

UR/0219/65/059/004/0048/0052/5

AUTHOR: Presman, A. S.; Rapoport, S. M.

TITLE: The effect of microwaves on the excitable system of paramecia

SOURCE: Byulleten' eksperimental'noy biologii i meditsiny, v. 59, no. 4, 1965, 48-52

TOPIC TAGS: microwave, biological effect, paramecium, excitation

ABSTRACT: Previous studies with *Paramecium caudatum* showed an "electric shock reaction" (ESR) in response to a-c and d-c currents at certain threshold voltages. In view of this, the excitability of paramecia was studied during microwave irradiation. Animals in a hay infusion were placed in a polystyrene chamber attached to a microwave generator. Four tests were conducted using the following irradiation parameters: 1) nonpulsed microwaves in 1/sec doses ($\lambda = 12.5$ cm) with a duration of 5-100 msec; 2) pulsed microwaves in 1/sec doses ($\lambda = 10$ cm, durations, 7-50 msec, pulse frequencies, 200-700 imp/sec); 3) alternating current (1 imp/sec, 240 and 1200 cps, impulse duration, 120 msec) on a background of nonpulsed microwaves with the same duration; 4) alternating current (1 imp/sec, 240 and 1200 cps, impulse duration, 100 msec) on a background of pulsed microwaves with the same duration

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L 45614-65

ACCESSION NR: AP5011562

(pulse frequency, 700 imp/sec). The first series showed that each dose of nonpulsed microwaves evoked a reaction similar to ESR. The second series showed that the mean power threshold values for pulsed microwaves were higher than values for nonpulsed microwaves with durations of 10 msec. The threshold values decreased as the durations increased. Stimulation by pulsed microwaves had a cumulative effect. The third and fourth series demonstrated the sensitizing effect of microwaves of sub-threshold power. It was found that microwaves decreased the threshold voltage of a-c currents required to produce ESR. This, together with the fact that heating did not exceed 1.5C in any series, indicates that microwaves have a nonthermal effect. Arguments against the thermal nature of the ESR evoked by microwaves include the following: 1) irritation threshold values for pulsed and nonpulsed microwaves depend on the quadratic root of their duration or series; and 2) virtually no relationship between pulse threshold power and pulse frequency was observed. It was concluded that these data would help elucidate the mechanism of the action of microwaves on the excitable structures of higher animals. Orig. art. has: 4 figures. [JS]

ASSOCIATION: Tsentral'nyy nauchno issledovatel'skiy institut kurortologii i fizioterapii, Moscow (Central Scientific Research Institute of Balneology and Physiotherapy)

Card 2/3

L 45614-65

ACCESSION NR: AP5011562

SUBMITTED: 29Apr63

ENCL: 00

SUB CODE: LS

NO REF SOV: 010

OTHER: 002

ATD PRESS: 4001

Card 3/3

RAPPNE SIK, Stefania

Application of ion-exchanging resins in water analysis. Hidrologiai kozlony 41 no.4:339-342 Ag'61

1. Magyar Allami Foldtani Intezet.

TOLNAY, Vera; RAPPNE SIK, Stefania

Determination of sulfate-ion content in natural waters by means of ion exchange. Hidrologiai kozlony 41 no.6:512-513 D'61.

1. Magyar Allami Foldtani Intezet, Budapest.

MIKOYAN, A.I.; MARINENKO, A.Ya., inzh.; RAPPOPORT, A.M., inzh.;
SLEPNEV, K.V., inzh.; SYROVOY, P.Ye., inzh.. Prinimali
uchastiye: BORODIN, D.D., inzh.; ZHARKOV, M.A., inzh.;
SHIPUNOV, B.G., inzh.; KURAKOV, V.Ya., tekhnik. STRAKHOV,
L.G., otv.red.; KOMPANTSEV, N.N., otv.red.; KRASIL'NIKOV,
S.D., red.; ZUDAKIN, I.M., tekhn.red.

[The MIG-17PF and MIG-17F airplanes; instructions for operation
and maintenance] Semolety MIG-17PF i MIG-17F; instruktsiya po
tekhnicheskoi ekspluatatsii i obsluzhivaniyu. Moskva, Gos.izd-vo
obor.promyshl., 1957. 143 p. diagrs.

1. Russia (1923- U.S.S.R.) Ministerstvo oborony.
(Fighter planes) (Jet planes, Military)

RAPPORT, A. S.

COUNTRY : USSR
 CATEGORY : Zooparasitology. Parasitic Protozoa. Flagellates
 ABS. J. UR. : RZhBiol., No. 2 1959, No. 5674
 AUTHOR : Levit, A. V.; ~~Rapport, A. S.~~
 INST. : Institute of Zoology, AS KazSSR
 TITLE : On Utilization of the Complement-Fixation Test
 in the Diagnosis of Trypanosomiasis (Su-Auru)
 in Cattle
 ORIG. PUB. : Tr. In-ta zool. AN KazSSR, 1958, 9, 243-244
 ABSTRACT : A complement-fixation test performed on 420
 samples of the blood serum of cattle from regions
 infested with su-auu revealed the presence of
 specific antibodies in animals which did not
 exhibit clinical symptoms.

CARD: 1/1

3

GEL'BERG, Boaz Tevelevich; PEKELIS, Govshiya Davidovich; BILINSKIY,
M.Ya., red.; RAPPOPORT, A.Ya., red.; PERSON, M.N., tekhn.
red.

[Repair of industrial equipment] Remont promyshlennogo oboru-
dovaniia. Moskva, Proftekhizdat, 1962. 407 p. (MIRA 15:9)
(Industrial equipment—Maintenance and repair)

Prepared by N. A. Ilyev
and N. A. Kozlovskiy. Russ. 42,907, May 31, 1915.
Sulphuric acid is added from aq. alk. phenol soln. by
addn. of NaCl and NaHSO₄. It is recovered from the
ppt. by acidification and steam distn.; the phenol is
sepd. from the filtrate by acidification.

ABSTRACT METALLURGICAL LITERATURE CLASSIFICATION

1900-1914

1915-1919

1920-1924

1925-1929

1930-1934

1935-1939

1940-1944

1945-1949

1950-1954

1955-1959

1960-1964

1965-1969

1970-1974

1975-1979

1980-1984

1985-1989

1990-1994

1995-1999

1900-1914

1915-1919

1920-1924

1925-1929

1930-1934

1935-1939

1940-1944

1945-1949

1950-1954

1955-1959

1960-1964

1965-1969

1970-1974

1975-1979

1980-1984

1985-1989

1990-1994

1995-1999

ROZENFLIAND, Y. A. RAPOPO T, E. I.

Polomyelitis

Roentgenotherapy of acute poliomyelitis. *Pediatria* no. 1, 1952.

Monthly List of Russian Accessions, Library of Congress, May 1952, Unclassified.

RAPPOPORT, B. Ya.

PA 31/49T6

USSR/Medicine - Intestines, Physiology Aug 48
Medicine - Animals, Experimentation

"Problem of the Effects of Digestive Secretions on
Erythro- and Thrombocytopoieses," B. Ya. Rappoport,
Lab Clinical Physiol, Soc Gen Physiol, ISM, Acad
Med Sci USSR, 2 3/4 pp

"Klin Med" Vol XXVI, No 8

Absorption of necrotic tissues is factor stimu-
lating erythro- and thrombocytopoieses. Method of
parenteral spraying of gastrointestinal secretions
of experimental animals reveals proteolytic
action on animal tissue (with formation of

31/49T6

USSR/Medicine - Intestines, Physiology Aug 48
(Contd)

necrosis and inflammatory infiltration). Active
principle in Singer's test is mainly the
absorption of necrotic tissue.

31/49T6

RAPPOPORT, E. Ya.

32711. Voprosu o roli podzheludchnoy zhelezy v regulyatsii krovetvoreniya. Zndogennaya gemolitichyeskaya anemiya u sobak s khronichyeskoy fistuloy protoka podzheludchoy zhelezy. V SB: Nervno-gumoral'nyye regulyatsii deyated'nosti pishchevarit. Apparata. M., 1949, s. 281-301,—bibliogr: s. 300-01.

80: Letopis' Zhurnal'nykh Statey. Vol. 44, Moskva, 1949

31821
S/194/61/000/010/015/082
D256/D301

26.2191

AUTHORS: Rappoport, D.M., Sedova, L.I. and Mertekhin, I.I.

TITLE: Instrument for measuring fuel consumption and speed of crankshaft rotation

PERIODICAL: Referativnyy zhurnal. Avtomatika i radioelektronika, no. 10, 1961, 33, abstract 10 A284 (Traktory i sel' khozmashiny, 1961, no. 1, 18-20)

TEXT: A description is given of the ПСММ-ЗМ2-НАТН (PSID-ZM2-NATI)-type instrument for automatic measurement of fuel consumption expressed in units of weight and crankshaft speed of rotation of an engine. A provision was made for the automatic refuelling of the weight-measuring container by means of an el.-magn. operated valve. A plunger when pulled into the electro-magnet opens the valve of the feeding pipe, and being spring-loaded it closes as soon as the current is off. The maximum load of the balance is 2 kg the error being 0.5 g. The rev.-counter consists of C5-1M/100 ✓

Card 1/2

31821

S/194/61/000/010/015/082
D256/D301

Instrument for measuring fuel...

(SB-1M/100)-type electromechanical pulse-counter of max. 600 rev/min. The el. part of the instrument consists of two H.F. generators placed on the casing of the balance; the control unit and ancillary mechanisms. The hand of the balance is connected to a pennon, whose movement changes the inductance of the generator circuit, and at a certain position it breaks completely the oscillations, thus operating a relay switching on-or-off the rev.-counter together with a timer. The latter comprises a ~~CS~~-60 (SD-60)-type synchronous motor, whose shaft is connected to a contact disc via a reductor and a friction clutch. The disc is immobilized by means of an arm of the el.-magn. relay; the current flowing through the coils of the relay pulls in its anchor releasing the disc which when free, starts to rotate with a speed of 1 rev/min. [Abstracter's note: Complete translation_]

Card 2/2

VASIL'YEV, A.V., kand.tekhn.nauk; RAPPOPORT, D.M., inzh.

New devices and methods for testing tractors. Mekh. i elek. sots.
sel'khoz. 20 no.1:47-51 '62. (MIRA 15:2)
(Tractors--Testing)

RAPPOPORT, D.M.; MERTEKHIN, I.I.; SUVOROV, A.M.; KHRIPIN, V.V.

Mobile laboratory of the Automobile and Tractor Scientific Research
Institute. Trakt. i selkhoz mash. 32 no.3:20-24 Mr '62.
(MIRA 15:2)

(Tractors--Testing)

VASIL'YEV, A.V., kand. tekhn. nauk; RAPPOPORT, D.M., inzh., RAYEVSKIY,
N.P., doktor tekhn. nauk, retsenzent; SAVKIN, I.P., inzh.,
red.; EL'KIND, V.D., tekhn. red.

[Strain measurement and its use in the investigation of
tractors] Tenzometrirovaniye i ego primeneniye v issledovaniyakh
traktorov. Moskva, Mashgiz, 1963. 338 p. (MIRA 17:3)

RAPICFORT, D. H.

36915. Kliniko-morfologicheskiye Osobennosti Tuberkuliza v Udy Otechestvennoy
Voyny Po Materialam Tylovykh Evakogospitaley. Trudy Med. In-ta (Ishev. Gos. Med.
In-t), t. IX, 1949, s. 256-60.

SO: Letopis' Zhurnal'nykh Statey, Vol. 50, Moskva, 1949

RAPOPORT, D. M.,

Rappoport, D. M., Chukavina, A. I. and Yaroslavich, Ye. A. - "Clinical evaluation of the "dodder" weed," Trudy Medinstituta (Izhev. gos. med. in-t), Vol. VII, 1949, p.259-62

SO: U-3950, 16 June 53, (Letopis 'Zhurnal 'nykh Statey, No. 5, 1949).

RAPPOPORT, D. M.

36946. K klinike zlokschestvennykh opukholey legkikh. Trudy Med. in-ta (Izkhv. os. med. in-t), t. IX, 1949, 273-81.

SO: Letopis' Zhurnal'nykh Statey, Vol. 50, Moskva, 1949

RAPPOPORT, D.M., dotsent

Medicinal plant resources of Udmurtia. Trudy Izhev.gos.med.inst.
13:492-500 '51. (MIRA 13:2)

1. Iz kafedry fakul'tetskoy terapii Izhevskogo meditsinskogo instituta.
(UDMURT A.S.S.R.--BOTANY, MEDICAL)

RAPPORT, F.S.; SHTUTT, I.M.; KARDAKOV, A.I., red.

[Standard plans for enterprises manufacturing corrugated paperboard boxes] Tipovye proekty predpriatii po proizvodstvu gofrirovannoi kartonnoi tary. Moskva, TSentr. in-t tekhn. informatsii i ekon. issl. po lesnoi, bumazhnoi i derevoobrabatyvaiushchei promyshl., 1962. 15 p.

(MIRA 17:4)

RAPPOPORT, G.

GRIGOROV, N.D., kand. ekon. nauk; DEMIDOVA, L.A., kand. ekon. nauk; LEKOSTUP, I.M., kand. ekon. nauk; MAKSHIN, T.M., kand. ekon. nauk; TERESHINA, N.Ya., kand. ekon. nauk; LIZINA, A.I., kand. ist. nauk; BURDAKOVA, A.P.; BELIAYEV, Yu.B., prepodavatel' vysshikh uchebnykh zavedeniy; LYUBIN, V.A., prepodavatel' vysshikh uchebnykh zavedeniy; IVANOV, N.A., lektor; KUZ'MICHEV, V.S., lektor; SUBBOTIN, P.M., lektor; RAPPOPORT, G., red.; GRIN', Ye., tekhn. red.

[Development of the economy and culture of the Altai Territory during 40 years of the Soviet regime] Razvitie ekonomiki i kul'tury Altai-skogo kraia za 40 let sovetской vlasti. Barnaul, Altaiskoe knizhnoe izd-vo, 1957. 229 p. (MIRA 11:5)

1. Zaveduyushchiy kraydravotdelom Altayskogo kraya (for Burdakova).
 2. Altayskiy kraykom Kommunisticheskoy partii Sovetskogo Soyuza (for Ivanov, Kur'michev, Subbotin).
- (Altai Territory--History)

RAPPOPORT, G.I., dotsent

Diganosis of peripheral nerve diseases. Zdrav.Belor. 6 no.2:
39-40 F '60. (MIRA 13:6)

1. Iz nevrologicheskogo otdeleniya Grodnenskoj oblastnoy bol'-
nitsy (glavnyy vrach S.G. Dalayev).
(NERVOUS SYSTEM--DISEASES)

~~RAPOPORT~~, Grigoriy Pavlovich; GRIN', Ye., tekhn. red.

[Barnaul; brief manual] Barnaul; kratkii spravocnik. Barnaul,
Altayskoe knizhnoe izd-vo, 1958. 90 p. (MIRA 16:1)
(Barnaul--Directories)

RAPPOPORT, G.S.

RAPPOPORT, G.S.; NADEZHDIIN, I.B.; RYKOV, N.A., redaktor; NADEINSKAYA, A.A.,
tekhnicheskiiy redaktor

[The briquetting of brown coal; in stamping presses] Kak briketi-
ruetsia buryi ugol'; v shtempel'nykh pressakh. Moskva, Ugletekhizdat,
1954. 56 p. (MIRA 8:4)
(Briquets (Fuel))

RAFFAPORT, G. S.

The briquetting of brown coal; in stamping presses. Moskva, Ugletekhizdat, 1951.
56 p. (55-41143)

TP327.R3

RAPPOPORT, G.I., dotsht

Olivopontocerebellar atrophy in a child. Zdrav. Bel. 7 no.5:59-
60 My '61. (MIRA 14:6)

1. Iz nevrologicheskogo otdeleniya Grodnenskoy oblastnoy bol'nitsy
(glavnyy vrach S.G.Dulayev).
(CEREBELLUM—DISEASES) (ATROPHY)

RAPPAPORT, L.

"Calculation of the production cost of artificial silk, taking into account denier and twist." p. 56 (Przemysl Wlokienniczy, Vol. 7, No. 2, Feb. 1953, Lodz)

SO: Monthly List of East European Accessions, Library of Congress, Vol. 3, No. 6, June. 1954, Uncl.

RAPPAPORT, I. A.

"Oxidation and mechanism of function of mutagenic factors." (pp. 65-73) by I. A. Rappaport

SO: Journal of General Biology (Zhurnal Obshchei Biologii) Vol. 4, No. 2, 1943

ACC NR: AP7000519 SOURCE CODE: UR/0048/66/030/011/1763/1764

AUTHOR: Volodichev, N. N.; Grigorov, N. L.; Nesterov, V. Ye.;
Rapoport, I. D.; Savenko, I. A.; Yakovlev, B. M.

ORG: none

TITLE: A study made using the Proton-1 satellite of the chemical composition of primary cosmic rays in the moderate energy region [Paper presented at the All-Union Conference on Physics of Cosmic Rays held in Moscow from 15 to 20 November 1965]

SOURCE: AN SSSR. Izvestiya. Seriya fizicheskaya, v. 30, no. 11, 1966, 1763-1764

TOPIC TAGS: primary cosmic ray, cosmic ray measurement, cosmic ray intensity, solar flare, spectrometer, Cherenkov counter, photomultiplier, scintillation counter, meteorologic satellite, cosmic ray telescope

ABSTRACT: A study, made using the Proton-1 satellite of the flux and chemical composition of solar cosmic rays generated during chromospheric flares, and of primary galactic cosmic radiation is described. A nuclear charge spectrometer with a geometric factor of $133 \pm 6 \text{ cm}^2 \text{ sterad}$ was used in the study. The spectrometer consisted of a Cherenkov counter placed between two scintillation counters which form a telescope. The Cherenkov counter consisted of an FEU-49 photomultiplier which made an optical contact with a Plexiglas disk 165 mm in diameter and 30 mm thick. The side of the disk opposite the photocathode was

Card 1/3

ACC NR: AP7000519

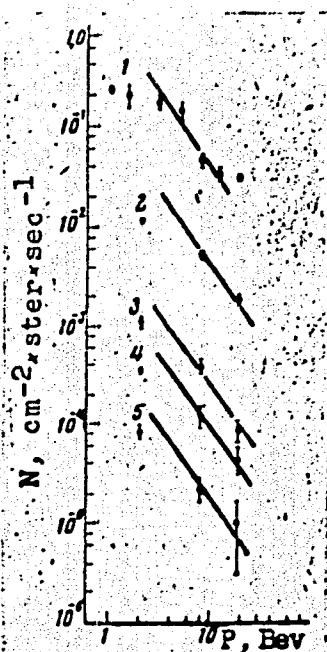


Fig. 1. Cosmic ray flux vs. hardness in the geomagnetic equator region

1 - Protons; 2 - α -particles; 3, 4, 5 - nuclei in the M, H, and VH groups.

Card . 2/3

ACC NR: A:7000519

coated with black paint to prevent registration of upward moving particles. The scintillation counters consisted of FEU-13 photomultipliers and plastic scintillator plates 15 mm thick. Graphs of cosmic ray flux vs. hardness (see Fig. 1) were constructed from the preliminary data on the longitudinal effect and azimuthal asymmetry of cosmic ray intensity in the geomagnetic equator region for protons, α -particles, and nuclei in the M, H, and VH groups with energies of 1 Bev for protons and in the range of 2 to 19 Bev for the remaining groups. Orig. art. has: 2 figures.

[WA-75]
[IV]

SUB CODE: 04, 1870/ SUBM DATE: none/ ORIG REF: 002/
OTH REF: 001

Card 3/3

ACC NR: AP7000523 SOURCE CODE: UR/0048/66/030/011/1773/1775

AUTHOR: Grigorov, N. L.; Klintsov, Yu. S.; Nesterov, V. Ye.; Rapoport, I. D.; Savenko, I. A.; Yakovlev B. M.

ORG: none

TITLE: Study of high-energy electrons using the Proton-1 and Proton-2 artificial Earth satellites / Paper presented at the All-Union Meeting on Physics of Cosmic Radiation held in Moscow from 15-20 November 1965

SOURCE: AN CCSR. Izvestiya. Seriya fizicheskaya, v. 30, no. 11, 1966, 1773-1775

TOPIC TAGS: satellite data analysis, proton counter, electron distribution, electron flux, primary cosmic ray

ABSTRACT: The instrumentation of the Proton-1 and Proton-2 satellites included an SEZ-12 electron spectrometer which could register primary cosmic radiation consisting of electrons with $E_e \geq 0.3$ Bev. The following components were used for this purpose: 1) two scintillation counters with a differential amplitude analyzer which registered single particles with a charge $Z = 1$ moving at a relativistic velocity; 2) a gas Cherenkov counter (using Freon-13 at 11 atm) which registered particles whose energies exceeded $7 m_0 c^2$ (effective threshold for protons is 10 Bev) moving unidirectionally between two scintillation counters;

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ACC NR: AP7000523

3) a scintillation electron energy detector which is a simplified version of an ionization calorimeter. The scintillators were placed between four 1.5 cm-thick lead plates. The pulses from the energy detector were applied to an amplitude discriminator which had 6 threshold levels. Another scintillation counter enveloped by a 12 cm-thick lead shield determined the penetration capability of particles. 4) A scintillation avalanche detector served to isolate those avalanches which were generated by primary protons but whose effect was similar to avalanches generated by electrons. Thus, the cosmic ray electrons were measured accurately even if they numbered only 0.2—0.3% of the proton total. After processing the obtained electron count data, an unexpected result became apparent for electrons with $E_e \geq 0.3$ Bev. The intensity of electrons with $E_e \geq 0.3$ Bev and protons recorded by the SEZ-12 equipment is shown in Fig. 1 as a function of latitude. Even on the equator where particles with energies less than 7 Bev/sec should not be found because of the Earth's magnetic field, 0.3-Bev/sec electrons were recorded. These, consequently, cannot be primary electrons; they are electrons which have been trapped and retained by the Earth's magnetic field. The SEZ-1 apparatus in the Proton-1 registered particles with charge $Z = 1$ and $Z = 2$ in the equatorial regions where their intensity was 1.2 (for $Z = 1$) and 2.1 (for $Z = 2$) times more predominant in the West than in the East. If it is assumed that the primary protons possess the same asymmetry, the SEZ-1 equipment recorded a flux

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ACC NR: AP7000523

of 2.6×10^{-2} secondary particles/cm².sec.sterad. Thus the existence of an electron flux ($E_e \geq 0.3$ Bev) of 2.2×10^{-2} el/cm².sec.sterad is corroborated by the SEZ-1-gathered data. Orig. art. has: 1 figure.

[WA-75]
[BD]

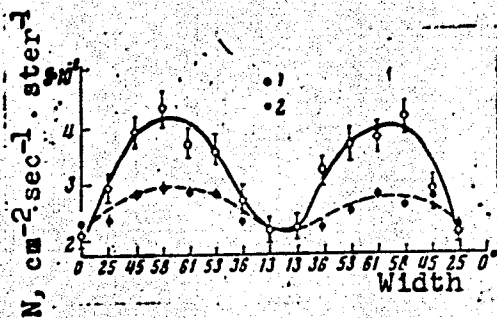


Fig. 1. Intensity of 1) electrons and 2) protons as a function of latitude. [Proton intensity is normalized with respect to the intensity of electrons on the equator].

SUB CODE: 03/ SUBM DATE: none/ ORIG REF: 005/ OTH REF: 002

Card. 3/3

ACC NR: AM6024646

Monograph

UR/

Rapoport, Il'ya Markovich

Dynamics of elastic solids partly filled with liquid (Dinamika uprugogo tela, chastichno zapolnennogo zhidkost'yu) Moscow, Izd-vo "Mashinostroyeniye," 1966. 393 p. biblio. Errata slip inserted. 2500 copies printed.

TOPIC TAGS: fluid mechanics, elastic flow, perfect fluid, flow research, *ideal fluid, vibration, vibration analysis, solid dynamics*

PURPOSE AND COVERAGE: This book, intended for scientific workers and engineers in the aviation industry, examines the problem of the movement of an elastic body with cavities partially filled with a fluid. The elastic vibrations of the body and the vibrations of the fluid are assumed to be small and are studied by linear methods. General formulas are derived and approximate methods are given, permitting calculations to be carried out on high-speed calculators. The vibrations of an elastic body and of fluids, arising during the process of movement, are studied. There are 17 references, 16 of which are Soviet.

TABLE OF CONTENTS [abridged]:

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UDC: 531.395:539.3:629.192

ACC NR: AM6024646

- Ch. I. Fluid pressure on the wettable surface of a cavity -- 7
- Ch. II. Equation for the motion of an elastic body with cavities partially filled with an ideal fluid -- 46
- Ch. III. Basic boundary problem -- 147
- Ch. IV. Vibrations of an elastic body containing fluid masses -- 246
- Ch. V. Case of elastic-body symmetry relative to two mutually perpendicular surfaces -- 358
- References -- 392

SUB CODE: 20/ SUBM DATE: 03Mar66/ ORIG REF: 016/ OTH REF: 001

Card 2/2

ROL'NIK, M.A.; RAPPOPORT, L.I.; PERETYATKEVICH, G.V.

Loudspeaker communications by power cable in stopes during cutter-loader operations. Ugol' 33 no.4:27-29 Ap '58. (MIRA 11:4)
(Coal mines and mining) (Mine telecommunications)

ROL'NIK, M.A.; RAPPOPORT, L.I.

Sparkproof amplifier for the TUD-2 centralized control apparatus.
Ugol' 34 no.12:25-26 D '59. (MIRA 13:4)

1. Dongiprouglenash.
(Transistor amplifiers) (Mine communications)

ACC NR: AR6021235

SOURCE CODE: UR/0271/66/000/003/B054/B054

AUTHOR: Rappoport, L. I.

TITLE: The sensitivity of loaded transistor memory elements 166

SOURCE: Ref. zh. Avtomat telemekh i vychisl tekhn, Abs. 3B458

REF SOURCE: Tr. uchebn. in-tov svyazi. M-vo svyazi SSSR, vyp. 26, 1965, 103-110

TOPIC TAGS: computer memory, logic element, computer circuit, transistorized circuit

ABSTRACT: The problem of determining the sensitivity of transistorized flip-flop memory elements is discussed. A relationship is established between the degrees of input and base current saturations. The sensitivity of a loaded memory element is determined for various cases of operation, and, in particular, for the most difficult case. The expressions thus obtained can be used in the design of AND, OR and MEMORY logical semi-conductor circuits. On the basis of the results obtained, a system was designed for automating production processes in the coal industry. The system is explosion-proof because of the absence of contacts. [Translation of abstract] 1 illustration and bibliography of 3 titles. N. S.

SUB CODE: 09

Card 1/1

UDC: 681.142.67:621.382

ACC NR: AP7011368

SOURCE CODE: UR/0118/66/000/010/0031/0035

AUTHOR: Krasik, Ya. L. (Engineer); Rappoport, L. I. (Engineer); Lagunovich, Ye. F. (Engineer); Kirichenko, B. M. (Engineer)

ORG: none

TITLE: Sparkless transistorized logic elements for coal mines

SOURCE: Mekhanizatsiya i avtomatizatsiya proizvodstva, no. 10, 1966, 31-35

TOPIC TAGS: logic element, mining machinery, industrial automation

SUB CODE: 13,09

ABSTRACT: The use of electromagnetic relays as commutating elements in automatic control equipment in coal mines has several drawbacks: low reliability in conditions of dust and high humidity, great danger of sparking from the equipment, high cost due to wear on certain parts. These drawbacks can be avoided by replacing the electromagnetic relays with contactless commutating logic elements, which can be in the form of semi-conductors, ferrites, square hysteresis loops, etc. Tests have shown that the AND-OR, MEMORY, and TIME logic elements possess the greatest capacity with the least danger of sparking. The AND-OR element consists of a diode-rheostat circuit. The number of inputs

UDC: 621.382.3:622.25

Card 1/2

093/ 17 356

ACC NR: AP7011368

can be increased by joining the elements without changing the structure of the circuit. The MEMORY element consists of a static transistor trigger. It has a high static and dynamic reliability during large fluctuations of temperature. The TIME element is design to maintain the incoming signals for a given period of time. The basic component is an integrating RC circuit included in feed-back circuit with a "binistor" (a circuit having the negative part of the volt-ampere curve) at its output. These logic elements have been tested and found to operate satisfactorily in temperatures ranging from -40° to $+60^{\circ}\text{C}$. Orig. art. has: 6 figures and 1 table. [JPRS: 40,352]

Card 2/2

L-15298-65 EWT(m)/EPF(c)/EPR/EWP(j) Pc-4/Pr-4/Ps-4 RPL WW/RM

ACCESSION NR: AP4047670

S/0138/64/000/010/0017/0019

AUTHOR: Rappoport, L. Ya.; Diner, Ye.Z.; Bystritskaya, G.Yu.; Myuller, B. Ye. ②

TITLE: The use of the dimer of toluylene-2,4-diisocyanate as a vulcanizing agent for urethan rubbers 16

SOURCE: Kauchuk i rezina, no. 10, 1964, 17-19

TOPIC TAGS: toluylene diisocyanate, urethan rubber, vulcanization, rubber strength, naphthylene diisocyanate/SKU rubber

ABSTRACT: The possibility of using the dimer of toluylene-2,4-diisocyanate as a vulcanizing agent for urethan rubber to eliminate premature vulcanization was investigated at both increased temperatures and room temperature. The effect of vulcanization temperature, time and dimer content in the SKU rubber on the properties (modulus at 300% elongation, tear strength, relative elongation, residual elongation) was determined and is shown by tabulated data. The formation of a cross-linked structure as a result of the reaction of diisocyanate with the urethan groups of the macromolecules is shown schematically. The best results were obtained at 143°C by vulcanization for 20 minutes. Good mechanical properties were obtained with 1/4 parts by weight of dimer for 100 parts by weight of rubber.

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L 15298-65
ACCESSION NR: AP4047670

Vulcanization for more than 20 minutes did not change the value of the residual elongation. The comparative vulcanizing effect of the dimer of toluylene-2,4-diisocyanate and naphthylene-1,5-diisocyanate in mixtures based on SKU was established and it was found that mixtures based on SKU in the presence of the dimer retain their satisfactory technological properties on exposure to 110C, whereas mixtures containing naphthylene-1,5-diisocyanate under the same conditions are unsuitable for further use. The use of the dimer of toluylene-2,4-diisocyanate also increases the stability of polyurethan rubbers when stored at room temperature. The plasticity hardly varies in 5 days; after ten days it is still high, and the rubber becomes rigid only after 20 days. Naphthylene-1,5-diisocyanate yielded less favorable data in this respect as well. Orig. art. has: 2 formulas, 4 tables and 1 figure.

ASSOCIATION: Opy*tny* zavod Vsesoyuznogo nauchno-issledovatel'skogo instituta sinteticheskogo kauchuka im. S. V. Lebedeva (Pilot Plant of the All-Union Scientific Research Institute for Synthetic Rubber)

SUBMITTED: 00

ENCL: 00

SUB CODE: OC, MT

NO REF SOV: 000

OTHER: 010

Cord 2/2

1. M. V. ...; 1. M. V. ...; 1. M. V. ...; 1. M. V. ...

Study of **hydrogen** bonding in urethane elastomers by infrared spectroscopy. Vysokom. rad. 7 no.5:773-785, May '66.

(MIR 1849)

2. Institut vysshemolymnykh kul'yarnykh soedineniy AN SSSR i Vsesoyuznyy nauchno-issledovatel'skiy institut statisticheskogo kachestva izdatel'stvo, Moscow.

SOKOLOV, V.N.; RAPPOPORT, L.Ya.; PODDUBNYI, I.Ya.; APUKHTINA, N.P.

Role of water in the synthesis of urethane polymers on the basis of
polyesters. Vysokom.soed. 7 no.7:1258-1263 J1 '65.

(MIRA 18:8)

1. Nauchno-issledovatel'skiy institut sinteticheskogo kauchuka imeni
Lebedeva.

RAPPOFORT, L.Ya.; APUKHTINA, N.P.; MOZZHUKHINA, L.V.

Relation between the degree of cross-linking of urethane
polymers and carboxyl group content of the initial polyesters.
Kauch. i rez. 24 no.8:2-5 '65. (MIRA 18:10)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut sinteticheskogo
kauchuka imeni Lebedeva.

APUKHTINA, N.P.; BOYARCHUK, Yu.M.; MOZZHUKHINA, L.; RAPPOPORT, L.Ya.;
MAZUR, L.Yu.

Studying the cross-linking of urethane polymers under the effect
of atmospheric humidity. Kauch. i rez. 24 no.10:8-11 '65. (MIRA 18:10)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut sinteticheskogo
kauchuka imeni S.V.Lebedeva.

L 47012-66 ENT(m)/ENP(j)/T IJP(c) NW/RM
ACC NR: AF6027285 (A) SOURCE CODE: UR/0191/66/000/008/0060/0062

AUTHOR: Apukhtina, N. P.; Zaytsev, N. B.; Rappoport, L. Ya; Kozlova, N. V. 4-3

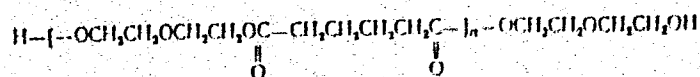
ORG: none

TITLE: Effect of γ radiation on polyesters of adipic acid and diethylene glycol

SOURCE: Plasticheskiye massy, no. 8, 1966, 60-62

TOPIC TAGS: gamma radiation, irradiation effect, polyester plastic, adipic acid, diethylene glycol, radiation chemistry

ABSTRACT: In a study of the effect of γ radiation on saturated aliphatic polyesters (which are used as the main component in urethane polymers), polydiethylene adipates (PDEA) of molecular weight (MW) ~2000 and 4000 of the structure



were irradiated with radiation from Co^{60} . The amount of absorbed energy was determined by ferrous sulfate dosimetry. A study of the dependence of the relative viscosity of benzene solutions of the polyesters on the dose absorbed showed a predominant role of cross-linking of PDEA during the irradiation, this effect being more pronounced as MW increases. IR spectroscopic data indicate that the polyester chains

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UDC: 678.6/4'460'42.01 : 539.122

ACC NR: AF6027285

break down at the ester group, forming CO and CO₂; this is associated with a decrease in the quantity of C=O bonds and the appearance of unsaturation in the chain as the dose increases. The cross-linking occurs at the methylene groups. The different positions of the IR bands of α and β methylene groups made it possible to evaluate the relative rates of disappearance of these two types of groups under the influence of γ radiation. The polyester with MW ~4000 irradiated with 200 Mrad converts into a rubberlike elastomer consisting of a mixture of cross-linking and degradation products. Hard, cross-linked polyurethanes were successfully obtained from the irradiated polyesters at equimolar ratios of polyester to 2,4-toluylene diisocyanate at moderate temperatures (60-70°C). The degree of cross-linking of polyurethanes as a function of the dose was determined from the glass transition temperature of the polymers. Orig. art. has: 3 figures and 3 tables.

SUB CODE: 07,12/SUBM DATE: none/ ORIG REF: 002

Card 2/2 vmb

Rappaport, M.; Marino, D.

Graphitization of carbon electrodes. p. 138.

REVISTA DE CHIMIE. (Ministerul Industriei Petrolului si Chimiei si Asociatia Stiintifica a Inginerilor si Technicienilor din Romania) Bucuresti, Rumania. Vol. 10, no. 3, Mar. 1959.

Monthly list of East European Accessions (SAI) LC, Vol. 8, no. 8, Aug. 1959

Uncl.

RAPPOPORT, M.

25(3) PHASE I BOOK EXPLOITATION SOV/1672

USSR. Opreveniye po organizatsii i mekhanizatsii ucheta
Mekhanizatsiya ucheta i vychislitel'nykh robot na prozhektirovaniye pred-
priyatiy: sbornik statey mekhanizatsii ucheta i vychislitel'nykh robotov i
ing operations in industrial enterprises. Collection of Arti-
cles/Moscow, Gosstatizdat, 1957. 125 p. 5,100 copies printed.

Additional Sponsoring Agency: USSR. Tsentral'nye statisticheskiye
opreveniye.

Ed.: V.A. Detlyants; Tech. Ed.: A.A. Kapralova.

PURPOSE: This book is intended for technical personnel servicing
computers, tabulators, punch card machines, etc., and for those
using this equipment.

COVERAGE: This collection of articles reviews various aspects of
mechanical invoicing, use of key-operated calculators in account-
ing, functions of interplant clearing houses, accounting of state
taxes using business machines and computers, and operation of
punch card machines. Technical features of computing and tabu-
lating are discussed and some measures to improve reliability are
outlined. No personalities are mentioned. There are 8 Soviet
references.

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AVAILABLE: Library of Congress (KF5679.N6)

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RAPPOPORT M. A. CA Separation of ammonia, methyl-, dimethyl-, and trimethylamine by the method of distributive chromatography. N. A. Fuks and M. A. Rappoport. <i>Doklady Akad. Nauk S.S.S.R.</i> 60: 1219-21(1948).—Potato starch is shaken with a 5-fold amt. of BuOH satd. with water and the suspension is poured into a chromatographic tube 17 mm. in diam. The starch is thickened under a pressure of 150 mm. Hg and the column set at 130 mm., which corresponds to a vol. of 30 ml. Having poured in a definite vol. of NH₃ and amines in BuOH, the walls of the tube are washed with a few drops of BuOH, a burst connected to the tube, filled with aq. BuOH, and the column is washed under the above given pressure. The liquid flowing out of the column is absorbed in water and continuously titrated with HCl, using methyl orange indicator. The titration curves obtained indicate the extent of separ. Each component comes out of the column in a definite "interval of expulsion" which depends very little upon the presence of other components. The Me₃N and Me₂NH, which come out first, follow one another very closely but the other components are well sepd. By increasing the height of the column it is possible to obtain a distinct separ. of the Me₂NH and Me₃N. The loss of amines in the column itself is negligible; the chief losses occur when the soln. is poured in and when it comes out of the column. With proper precautions these losses can be reduced. In		making an analysis the interval in which each component is expelled is detd. beforehand and it is absorbed directly in an excess of titrated acid; it is not necessary to obtain titration curves. It is also possible to use some indicator (e. g., by utilizing the increasing elec. cond. of the BuOH as the amines are dissolved therein) which would show the beginning and the end of each fraction. The BuOH coming out of the column has about 0.002 N Ca(OH)₂ and correction must be made for this. This method is well suited for controlling the purity of amines and for prepg. individual amines in pure form. In analyzing a mixt. of HCl salts of amines, it is mixed with an excess of 20% NaOH, distd. (with a dephlegmator), and the amines are absorbed in BuOH cooled to 0°. The small amt. of water distd. over dissolves in the BuOH and does not interfere. B. Z. Kamich <i>Sci Res Inst. Fertilizers & Insecticides in Ya. B. Samoylov</i>
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1948		1948

RAPPOPORT, M.A., inzhener (Sverdlovsk).

Unified technical operation of stations and sidings. Zhel.dor.
transp.38 no.12:41-43 D '56. (MLRA 10:2)
(Railroads--Stations)

RUDIN, D.V.; KISELEV, A.I.; RAPPOPORT, M.A.; YEROSHKIN, F.K.

Improving the coordination of main line and industrial transportation. Zhel.-dor.transp. 41 no.9:14-17 S '59.

(MIRA 13:2)

1. Nachal'nik gruzovoy sluzhby Sverdlovskoy dorogi (for Rubin).
2. Instruktor otдела tyazheloy promyshlennosti, transporta i svyazi Sverdlovskogo obkoma Kommunisticheskoy partii Sovetskogo Soyuza (for Kiselev).
3. Glavnyy inzhener gruzovoy sluzhby Sverdlovskoy dorogi (for Rappoport).
4. Zamestitel' nachal'nika transportnogo otдела Sverdlovskogo sovmarkhosa (for Yeroshkin).

(Ural Mountain region--Railroads--Freight)

RAPPOFORT, Mikhail Aronovich; SHTEYLMAN, Gennadiy Moiseyevich; GAVRILOVA,
Yu.P., red.; BOBROVA, Ye.M., tekhn.red.

[Organisation of work in freight yards; practices of the
Sverdlovsk railroad line] Organizatsiia raboty sortirovochnykh
platform; opyt Sverdlovskoi dorogi. Moskva, Gos.transp.shel-dor.
isd-vo, 1959. 70 p. (MIRA 12:6)
(Sverdlovsk Province--Railroads--Freight)

W. M. D. O. K. / M. I. T. A. L. / H. I. S. T. O. R. Y.
DANCHENKO, Anton Markovich; RAPPOPORT, Mikhail Aronovich; KRISHTAL', L.I.,
redaktor; BOBROVA, Ye.N., tekhnicheskij redaktor.

[Schools of progressive practices] Shkoly peredovogo opyta.
Moskva, Gos.transp.shel-dor. izd-vo, 1957. 67 p. (MLRA 10:6)
(Railroads--Employees--Education and training)

28(1)

SOV/118-59-1-9/16

AUTHOR: Rappoport, M.A., Chief Engineer of the Freight Department

TITLE: Loading and Unloading on the Sverdlovsk Railroad
(Pogruzochno-razgruzochnyye raboty na Sverdlovskoy zheleznoy doroge)

PERIODICAL: Mekhanizatsiya i Avtomatizatsiya Proizvodstva, 1959, Nr 1, pp 35-37 (USSR)

ABSTRACT: The author praises the introduction of automated, specialized freight handling processes in several sections of the Sverdlovsk railroad (e.g. the RR station Shartash is equipped to specifically loose freight, i.e. coal, hides and vegetables). Another progressive move is the transportation of assorted freight in wooden crates, provided by the railroad, which greatly facilitates a rapid turnover. The use of crates enables the railroad to mechanize almost

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SOV/118-59-1-9/16

Loading and Unloading on the Sverdlovsk Railroad.

completely loading, unloading and assorting operations. The Sverdlovsk Freight yard, such RR stations as Perm'2, and Tyumen' are provided with special platforms for handling the crates, equipped with locomotive cranes and gantry cranes. The main crate-handling point is located at the Sverdlovsk freight RR station. It has a mechanized trestle bridge, served by four electric bridge cranes (three 5-ton, one 10-ton). A special crane on the ground rails (Figure 2) installed at RR station Smychka loads refrigerator cars with a mixture of ice and salt. It has a capacity of 7.2 ton/hour. the Sverdlovsk railroad serves over 5,000 regular consignors. Over 170 stations handle general freight operations, 40 points deal with crate processing. Introduction of mechanization increased the railroad's freight turnover by over 5,000,000 tons in 1957 as against 3,500,000 tons in 1955. There are 2 photographs.

Card 2/2

RAPFOPORT, M.A., inzh. (Sverdlovsk)

Uniform technology accelerates car turnover. Zhel. dor. transp.
46 no.7:81-83 J1 '64. (MIRA 17:8)

1. Nachal'nik tekhnicheskogo otdela upravleniya Sverdlovskoy
dorogi.

RAPPOPORT, M.A.

Over-all mechanization of loading-unloading operations.
Zhel.dor.transp. 42 no.7:75-78 J1 '60.

(MIRA 13:7)

1. Nachal'nik tekhnicheskogo otдела upravleniya Sverdlovskoy
dorogi, Sverdlovsk.
(Sverdlovsk--Loading and unloading)

RAPPOPORT, M. A

Creative activity of railroad workers in the Ural Mountain region. NTO
6 no.1:36-37 Ja '64. (MIRA 17:2)

1. Predsedatel' pravleniya Nauchno-tekhnicheskogo obshchestva Sverdlovskoy zheleznoy dorogi.

RAPPOPORT, Mikhail Aronovich; SHTEYNBER, Gennadiy Moiseyevich;
COLUBKOV, V.V., retsenzent; YEROFEYEV, Ye.V., inzh. red.;
VOROTNIKOVA, L.F., tekhn. red.

[Using station facilities in loading and unloading operations;
experience of the Sverdlovsk Railroad] Organizatsiia pogru-
zочно-razgruzochnykh rabot sredstvami stantsii; opyt Sverd-
lovskoi dorogi. Moskva, Vses. izdatel'sko-poligr. ob"edinenie
M-va putei soobshchenia, 1962. 33 p. (MIRA 15:3)
(Railroads--Freight) (Loading and unloading)